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Docket No. 200715US/smc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Wataro SHINOHARA, et al.

SERIAL NO: 09/731,827

GAU:

FILED: December 8, 2000

EXAMINER:

FOR: DATA COMPRESSION SYSTEM, DATA DECOMPRESSION SYSTEM, SUPERVISORY CONTROL SYSTEM AND COMPUTER-READABLE STORAGE MEDIUM

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

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APR 24 2001

Technology Center 2000

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Marvin J. Spivak  
Registration No. 24,913

Joseph A. Scafetta, Jr.  
Registration No. 26,803



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Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 10/98)

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DOCKET NO: 200715US2

Sheet 1 of 2

SERIAL NO: 09/731,827

Group Art Unit:

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STATEMENT OF RELEVANCY

Technology Center 2300

**Reference AO (JP 6-274193) on Form 1449:**

This disclosure relates to a database searching system for taking required information from a database. The database searching system is configured, as one aspect, as follows. The database searching system is operative to divide the wave forma data or the numeric series data, as object for search, into a plurality of frames as blocks so as to set frame numbers (serial numbers) to the divided frames, respectively. The database searching system is operative to extract characteristic amount data from the divided frames so as to quantize, by using, for example, wavelet transformation, Fourier transformation or the like, the extracted characteristic amount data of the divided frames thereby producing data corresponding to the characteristic amount data. The database searching system is operative to store the data on the database.

When searching the database, the database searching system is operative to weight the wave forma data or the numeric series data inputted into the system as a search key so as to search the data stored on the database according to the weighted data as the search key. As a result, it is possible to effectively search the wave forma data or the numeric series data in the database so as to take it therefrom.

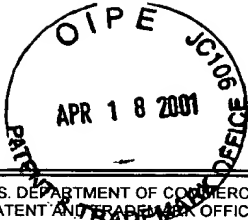
Further, this reference provides a retrieving system in which tie-sequence data are cut into data-frames, and each frame is processed to extract features used as search indices. Wavelet transform is referred as one of the feature-extracting methods.

**Reference AP (JP 11-316765) on Form 1449:**

This disclosure relates to a database searching system for taking required information from a database. The database searching system is configured, as one aspect, as follows. The database searching system is operative to input therein pieces of information as first numeric series data, which are temporally varied. The database searching system is operative to select a given data from the inputted first numeric series data so as to give a second numeric series data with respect to the given data thereby registering the data with the second numeric series data, as an object to search, on a database.

When searching the database, the database searching system is operative to search the data stored on the database according to the first numeric series data as the search key. As a result, because the data is searched according to the first numeric series data objectively indicating the condition of the object for search, when searching the database, it is possible for anyone to obtain the same results by the searching operations.

Further, this reference provides a data-base system with data-frame retrieving function, where original time-sequence data are processed to extract features used as search indices with wavelet transform etc.



Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 200715US2		SERIAL NO. 09/731,827	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Wataro SHINOHARA, et al.			
				FILING DATE December 8, 2000		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	6-274193	09/30/94	JAPAN			
	AP	11-316765	11/16/99	JAPAN			
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ						
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							